

HRSVY, R.

A few remarks on determining the quantity of carbon in low-alloyed steels. p. 441. HUTNICKE LISTY. (Ministers'vo hutniho prumyslu a rudnych dolu) Brno. Vol. 11, no. 7, July 1956.

SOURCE: East European Accessions List, Vol. 5, no.9, September 1956

Referat, Khimiya

Czechoslovakia/Chemical Technology. Chemical Products and Their Application --  
Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5338

Author: Farsky, Rudolf

Institution: None

Title: Some Experiments with Vacuum Treated Concrete

Original

Publication: Inzen. stavby, 1956, 4, No 6, 261-265

Abstract: Results of control tests of vacuum-treated concrete (determination  
of compression strength, impermeability to water, fracture tests)  
have confirmed its advantages over the untreated concrete.

Card 1/1

Farsky, R.

Farsky, R. Air-entrained concrete in the prefabrication of structural elements. p. 49.

Vol. 35, no. 2, Feb. 1957

STAVIVO

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957

No. 5

CZECHOSLOVAKIA / Chemical Technology. Chemical Products      E  
and Their Application. Ceramics. Glass. Bind-  
ing Materials. Concrete.

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43208.

Author : Farsky R.

Inst : Not given.

Title : Experience in the Utilization of Vacuum-Concrete  
in Czechoslovakia.

Orig Pub: Stavebn. casop., 1958, 6, No 4, 229-243.

Abstract: No abstract.

Card 1/1

FARSKY, R.

83250

18.1150 for 2308 only

Z/032/60/010/010/002/002  
E073/E535

26.2/22

AUTHOR: None Given

TITLE: From the Reports of Research Institutes

PERIODICAL: Strojirenství, 1960, Vol.10, No.10, pp.797-798

TEXT: The following reports are given:

R. Farský: "Spectral determination of the aluminium content in alloys".

Detailed description of the development of quantitative analytical methods for spectral determination of the aluminium content in Nimonic type high temperature alloys. Information published in literature has been evaluated and an analytical method is proposed. The developed method relates to determining aluminium contents between 2 and 7%.  
1959, Prague: SVUMT Z-59-787.

F. Khol: "Determination of large defects of blooms at temperatures up to 1200°C by means of  $\gamma$ -radiation"/9

Results are described of experimental verification of phenomena occurring during measurement of the weakening of the  $\gamma$ -radiation of Co60 during its passage through steel caused by the influence of Card 1/6

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Z/032/60/010/010/002/002  
E073/E535

From the Reports of Research Institutes

temperature and also the use of a comparison method of measuring by means of two scintillation counters and the influence of the scattered radiation on the sensitivity of this method. The results are applied to improving the accuracy of measuring equipment for monitoring the dimensions of blooms at temperatures up to 1200°C.

1959, Prague: SVUMT Z-59-777.

V. Kraus: "Investigation of the cooling of blades from the tempering temperature".

The report relates to the tendency of the material used for the manufacture of turbine blades to develop temper brittleness. It was found that the isothermal composition in this material can be disregarded under normal conditions. The anisothermal component manifests itself clearly during slow cooling so that for ensuring optimum toughness it is advisable that the cooling from the tempering temperature should be as rapid as possible in the critical temperature range of 700 to 500°C. An optimum technology for cooling from the tempering temperature is described.

1960, Prague: SVUMT Z-59-804.

Card 2/6

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E073/E535

From the Reports of Research Institutes

K. Löbl, M. Vyklický: "Introduction of new economy materials into production".

The results are described of introducing into production some new materials developed by the Department for Refractory and Acid Resistant Materials. Primarily the new materials are hard alloys (cermets) with a low cobalt content for hard facing and hard alloys for operation at very high temperatures and pressures. Furthermore, a further application of the alloy Pyroferal is described and a nickel-free stainless chromium steel ČSN 17 041 with an addition of titanium is dealt with.

1959, Prague: SVUMT Z-59-806.

M. Vyklický: "Investigation of refractory and corrosion-resistant chromium-base alloys".

Some important problems relating to the practical utilisation of chromium steels have been solved. The influence of heat treatment and of long duration annealing on the mechanical properties, the change in corrosion resistance and the specific electric resistance after such heat treatment has been determined and the

Card 3/6

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Z/032/60/010/010/002/002  
E073/E535

From the Reports of Research Institutes

problem of reliable isolation of carbide and intermetallic phases has been solved. The report also deals with the problem of correct choice of steel for thermal power stations and, finally, a new chromium steel is proposed which is alloyed with molybdenum and copper and is intended as a substitute for the type 18/8 CrNi steel.

1959, Prague: SVUMT Z-59-788.

O. Scholz: "Investigation of material for turbine blades and its heat treatment".

On the basis of experimental heats and heat treatment experiments, the optimum composition of steels of the type containing 13% Cr and Ni and the heat treatment of such steels are proposed.

Variants are also given of the composition of a chromium steel of high mechanical strength alloyed with a higher content of nickel or molybdenum and having a low carbon content. On the basis of laboratory experiments contained in a separate report and on the basis of practical experience, directives have been issued on moulding and casting and the casting properties of the steels have been determined.

1959, Prague: SVUMT Z-59-783.

Card 4/6

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Z/032/60/010/010/002/002  
E073/E535

From the Reports of Research Institutes

M. Vyklický: "Investigation of the properties of inoculated ("modified") Fe-Cr-Al type alloys".

The report is a continuation of an earlier report "Malleable refractory chromium steel with addition of aluminium for applications up to 1200°C" (Report Z-57-576), whereby the present report is concerned with improving the mechanical properties of the developed steels at room temperature. Seventeen different inoculated heats were tested and the most suitable was found to be the one containing about 10% Mn, which, contrary to the original ternary Fe-Cr-Al type, does not become brittle at elevated temperatures.

1959, Prague: SVÚMT.

M. Vystříd: "Shaping and checking of forgings from Nimonic type alloys".

Available literary data are summarised on shaping of Nimonic type alloys in view of the fact that some technological problems, particularly forging and pressing of large turbine blades from such materials, have not been solved in Czechoslovakia and these

Card 5/6

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Z/032/60/010/010/002/002  
E073/E535

From the Reports of Research Institutes

problems cause difficulties in using such alloys in gas turbines produced in Czechoslovakia. At the end of the report destruction-free testing is briefly dealt with.  
1959, Prague: SVÚMT Z-59-786.

M. Vyklický: "Chromium steel ČSN 17 041 with the addition of titanium".

Investigation of two heats of steels of the type ČSN 17 041 + Ti has shown that this steel has certain advantages compared to steel without titanium. The mechanical properties of this steel are approximately equal to those of steel without titanium. However, annealing of the steel with titanium is appreciably simpler and its weldability is considerably better. A disadvantage is that it is more difficult to polish.  
1960, Prague: SVÚMT Z-59-808.

Card 6/6

FARSKÝ Rudolf, inz.

Present technology of concrete hardening acceleration in Czechoslovakia.  
Inz stavby 12 no. 3:103-109 Mr '64.

1. Research Institute of Civil Engineering Construction, Bratislava.

FATIGUE, Robert, Eng. USAr.

International symposium of the International Association of Testing and Research Laboratories for Materials and Structures on concrete hardening acceleration. Ins starby 11 u.s.:?1-65 F '65.

1. Research Institute of Engineering Construction, Pratiklava.

FARSKY, V.

"Methods of calculating in additive filtration."

JEMNA MECHANIKA A OPTIKA, Praha, Czechoslovakia, Vol. 4, No. 3, March 1959.

Monthly List of East European Accessions (EAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

L 32774-65 EWT(d)/EWT(1)/EPA/EWP(w)/EWT(m)/EWP(f)/FA/XWT(v)/FA(b)/T-2/EPR/EWA(w)/  
EWP(h)/EWP(k)/EWA(c)/EWA(h) PA-4/PZ-4/Feb WWH/JD/EM  
ACCESSION NR: AP5003787 S/3029/64/000/007/0028/0028

51  
B

AUTHOR: Farsobin, Yu.

TITLE: Helicopter in a knapsack

SOURCE: Tekhnika molodezhi, no. 7, 1964, 28

TOPIC TAGS: portable helicopter, one seat helicopter, helicopter, pulsating jet engine, jet engine, starting nozzle, two rotor helicopter, emergency parachute, parachute

ABSTRACT: The author describes a portable, compact, one-seat helicopter, designed by students of the Kuybyshev Aviation Institute. This helicopter is equipped with a pulsating jet engine and two starting nozzles, incorporating new design features which, the author claims, result in improved construction innovations performance (see Fig. 1 of the Enclosure). He also is planning to construct a two-rotor portable helicopter, equipped with an emergency parachute and 0.8 HP Vankel engine. The entire craft will weigh 25 kg.

Card 1/3

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

L 32774-65

ACCESSION NR: AP5003787

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: AC

NO REF Sov: 000

OTHER: 000

Card 2/3

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

L 32774-65  
ACCESSION NR: AP5003787

ENCLOSURE: 01

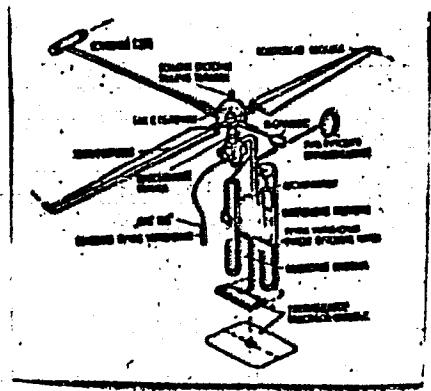


Fig. 1

Card 3/3

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

FARSYKHANOV, S.I.; RAYVID, V.V.

Microstructure of the thyroid glands in wethers of the Gissar  
breed. Trudy KirgNOAGE no.2:75-77 '65.  
(MIRA 18:11)

1. Iz kafedry histologii (zav. - prof. A.A.Braun) Kirgizskogo  
gosudarstvennogo meditsinskogo instituta i kafedry razvedeniya  
(zav. - dotsent S.I.Farsykhano) Tadzhikskogo sel'skokhozyaystven-  
nogo instituta.

VAGEROV, V.S.; FARTUKOV, M.M.; CHIRVA, G.I.; SHCHAVELEVA, A.P.

Upper Cretaceous sediments of the Bakhardokak keyhole. Izv.  
AN Turk.SSR.Ser.fiz.-tekhn., khim. i geol.nauk no.5:49-54  
'65. (MIRA 18:11)

1. TSentral'naya kompleksnaya tematicheskaya ekspeditsiya  
GPGK Turkmenской SSR.

FARTUNATOV, N.S.; KUBLANOVSKIY, V.S.; BIRYUK, L.I.

Interaction in the system pentavalent antimony - sulfur chloride.  
Ukr. khim. zhur. 31 no.8:817-820 '65. (MIRA 18:9)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

IVANOV, Ya.B.; FARTUSHNAYA, R.M.

Effect of the moisture of the charge on the mechanical properties  
of coke. Koks i khim. no.7:31-32 '65.

(MIRA 18:8)

1. Krivorozhskiy metallurgicheskiy zavod.

FARTUSHNYY, A.F.

Photoelectrocolorimetric determination of chlorophos. Apt.  
delo 14 no. 4842-44 Jl-Ag '65 (MIRA 19:1)

1. Byuro sudebnomeditsinskoy ekspertizy Donetskogo oblastnogo  
otdela zdravookhraneniya. Submitted May 20, 1964.

L 00997-66 EPA(s)-2/EWT(m)/EPF(c)/EPF(n)2/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/  
EWP(z)/EWP(b)/EWA(c) IJP(c) JD/HM/JG/WB  
ACCESSION NR: AP5018696 UR/0125/65/000/007/0015/0018  
621.791.053:546(821+882) 57

AUTHOR: Kakhovskiy, N. I. (Candidate of technical sciences); Fartushnyy, V. G.  
(Engineer); Manzheley, G. P. (Engineer)

TITLE: Effect of titanium and niobium on properties of chromium-nickel-manganese  
steel welds

SOURCE: Avtomaticeskaya svarka, no. 7, 1965, 15-18

TOPIC TAGS: chromium steel, nickel containing steel, nitrogen containing steel,  
manganese containing steel, steel welding, weld metal property, weld metal corrosion  
resistance, niobium addition effect, titanium addition effect

ABSTRACT: The effect of the additions of 0.30—1.00% Ti and/or 0.52—1.48% Nb on the  
microstructure, mechanical properties, and corrosion resistance (in nitric acid) of  
welded Cr-Ni-Mn and Cr-Ni-Mn-N steels containing 0.045—0.10% C, 15.9—17.8% Cr,  
3.10—4.50% Ni, and 0—0.151% N has been investigated. Additions of Ti and/or Nb  
increased the amount of the ferrite phase in the weld metal, the grain size, and  
the yield strength, and decreased the tensile strength and ductility of the weld  
metal. Additions of Nb lowered the weld metal ductility more than additions of Ti.

Card 1/3

L 00997-66

ACCESSION NR: AP5018696

6

This is explained by a more uniform distribution of Ti within the metal grains in contrast to the distribution of Nb in the form of chain-like segregations along the grain boundaries. In steels with a comparatively higher content of austenite-forming elements (Ni and Mn), additions of Ti and Nb (in the amounts investigated) produced smaller increases in the amount of the austenitic phase in the weld metal and had only a slight effect on its strength and ductility. In nitrogen-containing steels, additions of Nb had practically no effect on the finely dispersed structure and mechanical properties of the weld metal. This means that the ductility of the weld metal of niobium-modified Cr-Ni-Mn steels can be increased by alloying with nitrogen. With increasing Ti or Nb content, corrosion resistance of the weld metal of Cr-Ni-Mn steels in 30, 40, and 50% HNO<sub>3</sub> changed insignificantly at temperatures up to 50°C, and rather sharply at 70°C. To prevent intercrystalline corrosion and to ensure the optimal mechanical properties and general corrosion resistance, Cr-Ni-Mn steel welds should contain 0.6–0.9% Ti or 0.8–1.0% Ni. In simultaneous alloying of the welds with Ti and Nb, the amount of these elements should be reduced correspondingly. Orig. art. has: 6 figures and 2 tables. [MS]

ASSOCIATION: Institut elektrosvarki im. Ye. O. Patona, AN UkrSSR  
(Electric Welding Institute, AN UkrSSR)

44.55

Card 2/3

L 00997-66  
ACCESSION NR: AP5018696

SUBMITTED: 27Jan65

ENCL: 00

SUB CODE: MM, IE.

NO REF Sov: 007

OTHER: 001

ATT PRESS: 4068

KC  
Card 3/3

L 04656-67 ENP(k)/EMT(-)/T/ENP(v)/EMT(l)/STI INT'L JOURNAL OF METAL

ACC NR: AP6014435

(N) SOURCE CODE: UR/0125/65/000/012/0012/0017

AUTHORS: Fartushnyy, V. G.; Kakhovskiy, N. I.; Babakov, A. A.; Fedorova, V. I.

ORG: Fartushnyy, Kakhovskiy Institute of Electro-Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR); Babakov, Fedorova TsNIIChM

TITLE: Austenitic chromium-manganese-nitrogen steel and its welding technology

SOURCE: Avtomaticeskaya svarka, no. 12, 1965, 12-17

TOPIC TAGS: <sup>Steel austenitic steel</sup> alloy steel, metal welding, weldability, automatic welding, seam welding/ Kh17AG14 steel, ST-3 steel

ABSTRACT: A technique for welding steel Kh17AG14 and a combination of the latter with steel St3 in the presence of flux and of different inert gases (CO<sub>2</sub>, argon) was developed. In addition, the usual mechanical properties and magnetic permeability, as well as the microstructure, of the steel Kh17AG14 were determined. The experimental results are presented in graphs and tables (see Fig. 1). It was found that steel Kh17AG14 possesses high plasticity but tends towards embrittlement in the temperature interval 600--800°C. Welding of the steel should be carried out with electrodes having the same composition as the steel or, in some cases, with the OKh18N9FBS rod. Welding of the combination Kh17AG14 -- St3 may be carried out

Card 1/2

UDC: 621.791 (756+856),669.140

L 04656-57

ACC NR: AP6014435

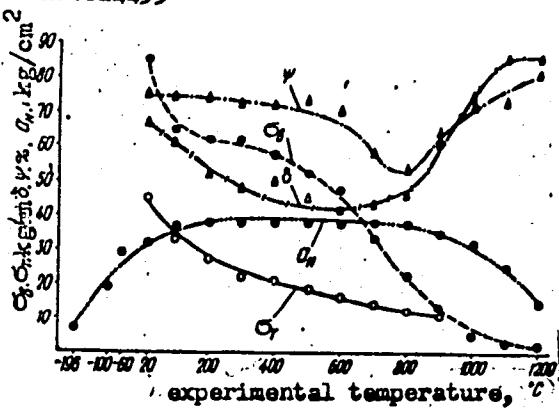


Fig. 1. Change in the mechanical properties of the steel Kh17AG14, as a function of the experimental temperature.

with Cr-Ni-Mn 20-9-7, Cr-Ni 18-8, or EA-2 type electrodes. The authors thank G. P. Manzheley for carrying out the carbide analysis. Orig. art. has: 4 tables and 6 graphs.

SUB CODE: 13, 11/ SUBM DATE: 24Sep65/ ORIG REF: 006/ OTH REF: 002

kh

Joining of dissimilar metals 18

Card 2/2

L 04666-67 ENT(m)/EXP(t)/ETI IJP(c) JD/HW/WB

ACC NR: AP6007107

SOURCE CODE: UR/0129/66/000/002/0029/0032

AUTHORS: Langer, N. A.; Yagupol'skaya, L. N.; Kakhovskiy, N. I.; Yushchenko, K. A.; Fartushnyy, V. G.; Chalyuk, G. I.

ORG: Institute of Electro-Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)

TITLE: Corrosion resistance of steel with low nickel content in aggressive media 65

SOURCE: Metallovedeniye i termicheskaya obrabotka mettallov, no. 2, 1966, 29-32 63

TOPIC TAGS: corrosion resistant alloy, stainless steel, chromium steel alloy, nickel containing alloy, molybdenum containing alloy 3

ABSTRACT: The effect of the chemical composition of stainless steel with low Ni content upon its corrosion resistance has been studied. The investigated steels were: OKh21N3T, OKh21N5T, OKh21N6M2T (I), Khl4G14N3T, and Khl7AGl4. Corrosive media selected were: 0.5N iron chloride solution, 3% solution of sodium chloride, 20% nitric acid, and sea water. Steel I, which contains 21% Cr, 6% Ni, and 2% Mo, was found to be most resistant to pitting under the described conditions. In general, it was established that resistance of heterogeneous ferrito-austenitic stainless steel to pitting is secured by an increase in Cr content and the presence of Mo.

Card 1/2

UDC: 669.14.018.84:621.785

L 04666-67

ACC NR: AP6007107

Thus, it is possible to substitute for the chrome-nickel steels of Kh18NiOT type  
by steels with a low Ni content in a variety of listed corrosive media. Orig.  
art. has: 3 tables and 3 figures.

SUB CODE: 11,07 SUBM DATE: none/ ORIG REF: 005/ OTH REF: 004

kh

Card 2/2

FARTUSHNYY, A.F.

Reaction for detecting chlorophos. Report No.2. Sud.-med. eksp.  
8 no.3:43-44 Jl-S '65. (MIRA 18:9)

1. Donetskoye oblastnoye byuro sudetnomeditsinskoy ekspertizy  
(nachal'nik - dotsent B.N. Zorin).

FARTYSHNYY, A.F.

Photocolorimetric determination of chlorophos based on  
reaction with o-tolidine. Apt. delo 14 no.6:57-59 N-D  
'65. (MIRA 18:12)

1. Donetskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy.  
Submitted May 9, 1964.

L 26640-66 EWT(1)/EWT(m)/T/EWP(t) IJP(c) JD/JG/AT

ACC NR: AP5025365 SOURCE CODE: UR/0181/65/007/010/2921/2924

AUTHOR: Mashkova, Ye. S.; Molchanov, V. A.; Soshka, V.; Faruk, M. A.

58  
2

ORG: Moscow State University im M. V. Lomonosov (Moskovskiy gosudarstvenny universitet)

TITLE: Scattering of ions from alloy surfaces

SOURCE: Fizika tverdogo tela, v. 7, no. 10, 1965, 2921-2924

TOPIC TAGS: argon, ion emission, copper, silver, copper alloy, silver alloy, mon, particle scatter, emission spectrum, crystal lattice, particle collision

ABSTRACT: The energy spectra were investigated during scattering of ions of argon and neon (30 kev energy) by targets from copper, silver and copper-silver alloy in order to investigate a number of questions: (1) on the limits of applicability of a concept of collision pairing and on consideration of the atom combination in the crystal lattice; (2) on the role of the nonelastic loss of energy in a range lower than Bohr's adiabatic criteria; (3) on the relative role of multiple collisions in various processes of ion interaction with solid substances. Results obtained are confirmed on the basis of paired collision

Card 1/2

L 26640-66

ACC NR: AP5025365

approximations. Orig. art. has: 3 figs.

SUB CODE: 20,11 / SUBM DATE: 31Mar65 / ORIG REF: 006 / OTH REF: 005

Car 2/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

FARUKSHIN, L.Kh.; GAYVORONSKIY, A.A.

Investigating the oval shape and wall thickness of full-scale casing  
pipes. Trudy VNIIBT no.14:44-48 '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

L 54616-65

ACCESSION NR: AR5006798 8/0299/65/000/001/M019/M019

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 1M107

1  
B

AUTHOR: Farutina, L. M.

TITLE: Changes in kidneys of rats following the removal of varying quantities of tissue

CITED SOURCE: Sb. Regeneratsiya i kletochn. razmnosh. u zhivotnykh. M., Nauka, 1964, 95-111

TOPIC TAGS: rat, kidney, nephrectomy, hyperplasia, hypertrophy, compensatory hypertrophy, regenerative hypertrophy

TRANSLATION: Changes in kidneys were investigated in experiments on rats following a resection of half of both kidneys (50% tissue), a unilateral nephrectomy combined with a resection of one half or one third of the other kidney (75% tissue), and a unilateral nephrectomy (50% tissue). Rats in the first group were kept on pellet feed (they were killed after 5-540 days); rats in the second group were kept on pellet feed for 5 mos and on natural feed for 2 mos. The trauma

Card 1/2

L 54616-65

ACCESSION NR: AR5006798

reaction of the resected kidney was practically the same regardless of the amount of tissue removed. The time at which hypertrophy of kidney structural elements appeared varied greatly as well as degree of expression. The large numbers of dividing cells in the epithelium of the coiled tubules indicates that hyperplasia processes play a substantial role in developing compensatory or regenerative hypertrophy of the kidney. With removal of the same amount of kidney tissue but with a difference in the nature of the injury, the mitotic coefficient is greater in the case of bilateral resection than unilateral (1.44 and 0.87%). However, statistically the difference is unreliable. In the first group of rats with resection of half of both kidneys, no pathological changes were found in the kidneys after 6 mos; in the second group 50% of the rats with the same operation displayed pathological changes after 7 mos. The nature of the injury affected the morphological and functional state of the kidneys: symptoms of decompensation appeared more often after bilateral resection of kidneys. N. S.

SUB CODE: LS

ENCL: 00

Card 2/2

RAYTSINA, S.S.; FARUTINA, L.M.; KASHINTSEVA, V.N.; Prinimal uchastiye;  
KONDAKOV, Yu.I.

Regenerative hypertrophy of the pancreas in monkeys. Arkh.anat.,  
gist. i embr. 49 no.10:43-48 0 '65.

(MIRA 18:12)

1. Laboratoriya rosta i razvitiya (zav. - prof. L.D.Liozner)  
Instituta eksperimental'noy biologii AMN SSSR, Moskva, (for  
Raytsina, Farutina, Kashintseva). 2. Zaveduyushchiy pitomnikom  
Instituta eksperimental'noy patologii i terapii AMN SSSR (for  
Kondakov). Submitted Febr. 28, 1964.

ПАСТЕРН, М.И.

Stratigraphy of the Sonomanian stage of the Kama River. AN Turkestan.  
Sov. Sov. fiz.-tekhn., khim. i geol. mat. no. 5:121-123 (1958) (1958 V:12)

KAKHOVSKIY N.I.; FARTUSHNYY, V.G.

Effect of manganese on the structure and properties of high-chromium welded seams. Avtom. svar. 17 no.6:14-18 Je '64  
(MIRA 18:1)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR.

FARUTINA, L.M.

Changes in the kidneys of rats following the removal of various amounts of the tissue. Trudy MOIP. Otd. biol. 11:95-111 '64.  
(MIRA 18:1)

l. Laboratoriya rosta i razvitiya Instituta eksperimental'noy biologii AMN SSSR.

FARYFEL'D, F., nauchnyy sotrudnik

Wood-decaying fungi. Mauka i zhizn' 26 no.2:78-79 F '59.  
(MIRA 12:2)

1. Yuzhnnyy nauchno-issledovatel'skiy institut promyshlennogo  
stroitel'stva, Khar'kov.  
(Wood--Preservation) (Wood-decaying fungi)

FARYNA, T.

Therapy of pneumococcal peritonitis in child. Polski tygod. lek.  
(CLML 21:3)  
6 no. 43:1428-1435 22 Oct. 1951.

1. Of the Surgical Department (Head--T.Hroboni, M. D.) of the  
Second Clinic of Children's Diseases (Director--Wl.Szenajch, M. D.)  
of Warsaw Medical Academy.

FARYMA, T.

Diphtheria associated with burns in children. Polski tygod. lek.  
6 no. 44:1461-1463 29 Oct. 1951. (CIML 21:3)

1. Of the Second Clinic of Children's Diseases (Director--Prof.  
W. Szenajch, M. D. ) of Warsaw Medical Academy.

FARYNA, T. Excerpta Medica Sec 7 Vol 9/5 May 55 Pediatrics

1101. FARYNA T., STAŃCZYKOWA M. and SZCZEPAŃSKA H. Klin. Chir. dziec.;  
Zakt. Anat. pat.; Klin. Chorób zakaźnych Wieku dziec., Akad. Med.,  
Warszawa. \*Przypadek guza wątroby o niezwykłej etiologii u 3-letniego  
dziecka. A case of liver tumour of unusual aetiology in  
a 3 - year - old child PEDIAT. POL. 1953, 28/10 (1013-1019) Illus. 1  
A liver tumour was discovered in a 3-year-old boy in good general health, with  
normal liver function and blood picture. A primary complex in the lungs was  
ascertained by X-ray picture. A positive Casoni intradermal test seemed to  
indicate a hydatid cyst. The tumour, of the size of a goose-egg, filled with serous  
fluid, was enucleated. The postoperative course was uneventful.

Bujak - Cracow

FARYNA, Tadeusz

Case of chronic intestinal invagination. Pediat. polska 31 no.7:  
801-804 July 56.

1. Z Kliniki Chirurgii Dziecięcej A.M. w Warszawie Oddział przy ul.  
Dziadkowskiej 1. Kierownik Klinik: prof. dr. med. J. Kossakowski  
Kierownik Oddziału: dr. med. T. Hroboni, Warszawa, ul. Dziadkowska 1.

(INTUSSUSCEPTION, case reports,  
in adolescent (Pol))

HROBONI, Tadeusz; FARYNA, Tadeusz

Treatment of fractures of the lower humeral epiphysis in children.  
Postepy chir. no.5:161-186 1958.

1. Z Kliniki Chirurgii Dziecięcej AM w Warszawie (Kierownik: prof. dr med. J. Kossakowski) Z Oddziału przy ul. Dziedzickiej 1 (Kierownik: dr. med. T. Hroboni) Z Instytutu Doskonalenia Specjalizacji Madr Lekarskich (Dyrektor: prof. dr med. W. Hartwig)

(HUMERUS, fract.

lower epiphysis in child., ther., review (Pol))

[ POLAND-HUNGARY

BABICS, Antal, Prof. Dr., Member of Hungarian Academy of Sciences and Director of Urological Clinic in Budapest (Hungary) [Original version not given] [Translated by Tadeusz FARYNA (Affiliation not given)]

"Effect of Cicatrization of the Peripelvic Fatty Tissue on the Renal Function."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 689-693.

Abstract: [Author's English summary modified] Studies on rabbits revealed that there is no arrest of renal function after ligature of the ureter. Measurements of pressure in the pelvis and in the calyces showed an initial rise and never returned to normal. Multiple enlarged lymphatic vessels in the kidney parenchyma, and some in the pelvis and perineal tissue. The last is important, since their occlusion due to oedema or cicatrization may be fatal.

There are no references.

1/1

[ POLAND-HUNGARY

FISCHER, Anton, Second Clinic of Internal Diseases, Medical Academy in Budapest (Hungary) (Director: Prof. Dr. P. GOMORI) [Original version not given] [Translated by Tadeusz FARYNA, Dr. med. (Affiliation not given)]

"Studies on the Function of the Tubules of the Normal and Pathologically Changed Kidney."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 693-697.

Abstract: [Author's English summary] Author studied the function of the kidney using renal clearances. He discusses the regulation of re-absorption, the active excretion of various substances through the tubular cells of persons with chronic renal failure, and notes recent news and his opinion concerning isostenuria. There are 15 references, of which seven (7) are by the author and co-workers in Hungarian and foreign periodicals, two (2) are to Hungarian, one to a German, and five (5) are to English sources.

1/1

[**POLAND-HUNGARY**

BAGDY, D, Biochemical Division of the Pharmaceutical Industry Research Institute in Budapest (Hungary) [Original version not given] [Translated by Tadeusz FARYNA, Dr. med. (Affiliation not given)]

"On the Theory and Practice of Blood-Clotting Problems."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13  
May 63, pp 697-701.

Abstract: [Author's English summary modified] Research at the Institute revealed that fibrin preparations from animal plasma are cheaper and more easily prepared than from human plasma. They give no tissue reaction and are well tolerated. Thus, such fibrin powder with lyophilized thrombin may be used to arrest hemorrhage, and its membranes, tubes, and other preparations for bone anastomoses may be used in surgery. There are 64 references, more than half in Hungarian, of the others two (2) being in Russian, about 10 in German, and about 15 in English sources. About 30 of the references are to the works of the author and his co-workers.

[1/1

diseases in which blisters do appear -- and the effect of various drugs on these blisters. The 11 references contain two (references) to English sources, the others being to articles of the authors in Hungarian publications and in Hautarzt.

APPROVED FOR RELEASE; 03/13/2001 CIA-RDP86-00513R000412430007-0  
[Spelling of author's first initial given in the text as O, and in the references as E.]

[1/1

POLAND-HUNGARY

ZOLTAN, I., Prof. Dr., Director of Second Clinic of Gynecology, Medical Academy, Budapest (Hungary) [Original version not given] [Translated by Tadeusz FARYNA, Dr. med. (Affiliation not given)]

"Some Notes on Pathological Observations and Clinical Procedures in Obstetrics."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 709-713.

Abstract: [Author's English summary modified] Author reviews some of the modern developments in obstetrics and notes the decline in mortality, and the near-disappearance of puerperal fever or fatal hemorrhage. On the other hand, pregnancy toxemia, or complications due to defects of the heart muscle or to diabetes are more frequently observed. The author is a strong advocate of Caesarian section for delivering mothers with heart trouble, since studies on the oxygen consumption and effect of 17 corticoids revealed that the charge of the patient from the operation is less than from the labour pains. 15 refs: 2 Hungarian, 1 German, and the others Western.

1/1

POLAND-HUNGARY

RATKOCZY, Nandor, Prof. Dr. med., Director of the Radiotherapy Clinic, Medical Academy in Budapest (Hungary) [Original version not given] [Translated by Tadeusz FARYNA, Dr. med. (Affiliation not given)]

"Changes in Views on the Pathology and Treatment of Malignant Lymphogranulomatosis."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 713-716.

Abstract: [Author's English summary modified] The author, with many year's experience on the subject, discusses the problem of malignant lymphogranulomatosis, its pathogenesis and treatment. He discusses recent methods of treatment connected with the stage of the disease. The disease is still incurable and its prognosis very poor, but the life of the patient can now be prolonged, and he can be kept in a good general state during remission. The 19 references include about four (4) each in Hungarian and Western sources, and the others are in German.

1/1

- END -

~~PARYNOWA-KOBUSZewska, Maria; JANCZEWSKI, Antoni; LAPINSKI, Zdzislaw;~~  
~~SCHEPANSKI, Czeslaw.~~

So-called pseudoleukemia (pseudoleukaemia gastrointestinalis).  
Polski tygod.lak. 10 no.44:1443-1451 31 Oct 55.

1. z Zakladu Anatomii Patologicznej A.M. w Warszawie; kierownik: prof.  
dr. L.Paszkiewicz; z Zakladu Radiologii Lekarskiej A.M. w Warszawie;  
kierownik: prof. dr. W.Zawadowski; z I Kliniki Chirurgicznej A.M. w  
Warszawie; kierownik: prof. T.Butkiewicz, z II Kliniki Chorob Wewne-  
trznych A.M. w Warszawie; kierownik: prof. dr.M.Semerau-Siemianowski.  
Warszawa, ul. Nobla 27 m.6.

(GASTROINTESTINAL SYSTEM, neoplasms,

pseudoleukemia)

(HODGKIN'S DISEASE,

pseudoleukemia, gastrintestinal)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

TRAKHTENBERG, A., inzh.; FARYNSKIY, R., inzh.

Reference sheet. Radio no.10:59-60 0 '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

L 20685-65 EWT(m)/EMP(b)/EWA(d)/EMP(t) Pad IJP(c)/B&D/ASD(n)-3 JD/HG/6  
ACCESSION NR: AR5000734 S/0277/64/000/009/0009/0009

SOURCE: Ref. zh. Mashinostroitel'nye materialy i konstruktsii i raschet detaley mashin. Gidroprivod. Otd. vyp., Abs. 9.46.55

AUTHOR: Farzalibekova, Z. G.

TITLE: Effect of certain elements on the corrosion resistance of austenitic steels

CITED SOURCE: Uch. zap. Kom-t vyssh. i sredn. spets. obrazovaniya Sov. Min. AzerbSSR. Mekhan. mashinostr., energ., elektrotehn., avtomatiz., vychisl. tekhn., v. 9, no. 1, 1964, 27-33

TOPIC TAGS: corrosion resistance, austenitic steel, metal corrosion, nickel containing alloy, manganese containing alloy

TRANSLATION: Experimental work on the creation of new steels of relatively simple composition is presented. The possibility of replacing scarce Ni with cheap and plentiful Mn in Cr-Ni-Mo-Cu steels was investigated. Steel compositions alloyed with Mn, Ti, and Si were developed to resist corrosion in different aggressive media:

Card 1/2

L 20685-65

ACCESSION NR: AR5000734

a) under increased and high temperature conditions; b) in organic and inorganic acids at low and high concentrations. The industrial properties of Cr-Mo-Cu steels were improved by introduction of Mn.

SUB CODE: MM

ENCL: 00

Card 2/2

FARZALIBEYLI, G.M., dots.

[Zoology of the vertebrates. An aid to correspondence  
students] Fegereliler zoologikijes Gijabichi lera kelek.  
Kirovabad, 1963. 164 p. [In Azerbaijani]

(MIA 18:1)

1. Zaveduyushchiy kafedry zoologii Kirovabadskogo Pedago-  
gicheskogo instituta im. G.Zardabi, Azerb.SSR.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

FARZALIYEV, A.M.

Cases of hypertonic neurocirculatory dystonia among youths in  
several districts of the Azerbaijan S.S.R. from 1958 to 1960.  
Azerb. med. zhur. no. 9:67-71 S '61. (MIRA 14:9)  
(AZERBAIJAN—DYSTONIA)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

Using mechanized building in production equipment parts at the Baku Car-Repair Plant. Steer.-met.-tekhn.inform.Azarb.inst. no. 1-tekhn.inform.Sap.Mekhanistriy.prom. no. 111-16 - '62.

MIRA 29:3)

1. Azərbaycanlı mədəniyyətçilər üçün neftçilərin  
məhsinə təxəllüs etdirilən əməkdaşlıq sənədi işləndiriləcək.

FARZALIYEV, F.M.

Introducing the building up of worn-out parts by the weaving arc  
method. Sber.nauch.-tekhn.inform.Aserb.inst.nauch.-tekhn.inform.Ser.  
mashinostroi.prom. no.3858-62 '62.

(MIRA 18:8)

FARZALIYEV, Farzali Magomed; TINOFEEV, Vladimir Ivanovich

[Electric welder's handbook] Elektrik gainagchysynyn sorag  
kitabchasy. Baky, Azerbaichan Dovlet neshriiatiy, 1964.  
183 p. [In Azerbaijani] (MIRA 17:5)

FARZALIYEV, I. A.

FARZALIYEV, I. A. (District Veterinarian, Tauzak Rayon, Azerbaijan SSR).  
Fixation of sheep and goats for subgutaneous injections.

So: Veterinariya; 23; 5-6; May/June 1946; Uncl.  
TABCON

FARZALIEV, I. A., Vet.

"Fasciolasis of horses and its treatment."

"Helminthous diseases of agricultural animals."

SO: Vet. 27 (4) 1950, pp. 25 and 26

PHOTO BY V. I. L.

"Necroblastosis of Buffalo." Canl Vet Sci, Chair of Microbiology and  
Zoohygiene, Azerbaijan Agricultural Inst, Min Higher Education USSR,  
Kirovabad, 1954. (KL, No 7, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (1b)

USSR/Medicine - Veterinary

FD-472

Card 1/1 : Pub. 137 - 13/24

Author : Farzaliyev, I. A. Veterinary Physician

Title : Treatment of agricultural animals bitten by snakes

Periodical : Veterinariya, 7, 34, Jul 54

Abstract : There are two methods of treating animals bitten by snakes. The wound may be treated with oxidizing agent like potassium permanganate or by using some specific hyperimmune serum. Potassium permanganate often causes necrosis and, therefore, is not very satisfactory. Subcutaneous or intravenous injection of antianthrax serum, manufactured by the Azerbaydzhan Biological Combine (Azbiokombinat), produced most satisfactory results.

Institution : Kazakhskaya Interrayon Veterinary Bacteriological Laboratory, Azerbaydzhan SSR

Submitted :

*FARZALIYEV I.A.*  
USSR/Diseases of Farm Animals. - Diseases Caused by Bacteria and R  
Fungi

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88220

Author : Farzaliyev I.A.

Inst :

Title : Treating Necrobacillosis in Young Buffaloes and Lambs with Biomycin.

Ori. Pub : Veterinariya, 1958, No 5, 56-59 <sup>35</sup>

Abstract : Four hundred lambs and 15 young buffaloes which were afflicted with necrobacillosis of lip and mouth areas, were treated with biomycin prepared with cod-liver oil (0.5 g. of biomycin to 100 ml. of cod-liver oil). The preparation was administered internally, 1-2 ml. at a time, and it was also applied to afflicted areas which were cleansed before treatment and from which all necrotic tissue had been removed. All animals recovered.

Card : 1/1

*AZERBAIJAN Sel'skokhozyaistvennyy Inst.*

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0

FARZALIYEV, I.A., dots.

Diplococcus infection in buffaloes. Veterinariia 36 no.12:34-35 D  
'59.  
(MIRA 13:3)

1. Azerbaydzhanskiy sel'skokhosyaystvennyy institut.  
(Buffaloes--Diseases)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412430007-0"

FARZALIYEV, I.A.; BABAYEV, Ya.Yu.

Change in the protein fractions of the blood serum of sheep in  
experimental infectious polyarthritis. Izv. AN Azerb. SSR. Ser.  
biol. i med. nauk no.5:107-114 '64. (NIPM 17:5)

FARZALIYEV, I.A., dotsent; SAFARALIYEVA, V.L., veterinarnyy vrach,  
CASANOV, G.G., veterinarnyy vrach

Rickettsial conjunctivitis in cattle. Veterinarija 41  
no.6:25-26 Je '64. (MIRA 18:6)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy  
institut (for Farsaliyev, Safaraliyeva). 2. Astrakhan-  
Bazarskoye proizvodstvennoye upravleniye (for Gasanov).

KORZENKO, V.N.; SAYKOVSKAYA, V.A.; PROTASENYA, S.G.; KOLJYEV, M.F.  
(Severo-Osetinskaya ASSR); FEDYUSHKIN, M.Ye.; FEYTENGEYMER,  
V.A., kand. veter. nauk; YAMASHEV, S.G., kand. veter. nauk;  
AKHMETZYANOV, F.Kh., mladshiy nauchnyy sotrudnik; SHVETSOV,  
K.A., veterinarnyy vrach; GANIYEV, M.K., prof.; FARZALIYEV,  
I.A., docent

Smallpox in cattle. Veterinariia 41 no.7:31-34 Jl '64.  
(MIRA 18:11)

1. Beloruskiy institut epidemiologii i gigiyeny (for Korzenko, Saykovskaya, Protasenya).
2. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushkin).
3. Kazanskiy veterinarnyy institut (for Feytengeymer, Yamashov, Akhmetzyanov, Shvetsov).
4. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy institut (for Ganiyev, Farzaliyev).

KHALIMBEKOV, M.M., prof. [deceased]; FARZALIYEV, M.M., prof.;  
PANKOV, A.A., dotsent; DALGAT, M.M., mladshiy nauchnyy sotrudnik

Pseudotuberculosis of rams with signs of orchiepididymitis.  
Veterinaria 38 no.9:40-43 S '61. (MIRA 16:8)

1. Dagestanskaya nauchno-issledovatel'skaya veterinarnaya  
stantsiya.

FARZALIYEV, M. M. and KHALIMBEKOV, M. M.\* (Professors), DANDAMAYEV, Sh. G.  
(Docent), and ALIYEV, A. I. (Scientific worker, Dagestan Agricultural Institute).

"Pneumonia in lambs..."

\*Deceased

Veterinariya, vol. 39, no. 2, February 1962 pp. 27

KARAEV, M.M., prof.; DALGAT, M.M., roodnnye sormozin

Epizootiology of bradiot and infectious enterotoxemia of sheep in  
Dagestan. Veterinaria 41 no.4:36-37. To 1986. (MIRA 1986)  
2. Dagestanskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

0029341 CNT(m) RM/FDN

SOURCE CODE: UR/0316/66/070/002/00850090  
17  
173

AUTHOR: Kuliyev, A. M.; Parsaliev, V. M.; Levshina, A. M.

ORG: Institute of Chemistry of Additives, AN AzerbSSR (Institut khimii prirody AN  
AzerbSSR)

TITLE: Synthesis of p-alkyl styrenes

SOURCE: Azerbaydzhan'skiy khimicheskiy zhurnal, no. 2, 1966, 85-90  
TOPIC TAGS: styrene, alkyl benzene, CHEMICAL SYNTHESISABSTRACT: Alkyl styrenes with alkyl radicals from C<sub>3</sub> to C<sub>10</sub> located in the para position were synthesized from alkyl benzenes. Acetylation of the latter with acetic anhydride in the presence of AlCl<sub>3</sub> produced p-alkyl acetophenones

SUB COV

Card 2/2 NFE

L 10340-67 EWT(m) DJ  
ACC NH: AP60296'14 (A)

SOURCE CODE: UR/0413/66/000/015/0069/0069

INVENTORS: Kuliyev, A. M. O.; Levshina, A. M.; Mamedov, F. N. O.; El'ovich, I. I.  
Mushailov, A. Ye.; Fazaliyev, V. M. O.

40

ORG: none

TITLE: A method for obtaining a lubricating compound. Class 23, No. 184385  
(announced by Institute of Petrochemical Processes, AN Azerbaidzhan SSR (Institut neftekhimicheskikh protsessov AN Azerbaydzhanской SSR))

SOURCE: Izobret. prom obraz tov zn, no. 15, 1966, 69

TOPIC TAGS: polymer, lubricant, lubricant additive, transmission gear,  
nonstructural mineral product

ABSTRACT: This Author Certificate presents a method for obtaining a lubricating compound by thickening a mineral base with polymers and by adding a stabilizer. To make this lubricating compound usable in gear transmissions, a mixture of high viscosity and low viscosity components with a quaternary ammonium salt used as a stabilizer is employed as the mineral base.

SUB CODE: 11/ SUBM DATE: 12Feb65

UDC: 621.892.8

Card 1/1 mle

FARZALIBEYLI, G. M.

Doc Biol Sci - (diss) "History of the development of natural science in Azerbaydzhan (end of XIX - beginning of XX centuries)." Baku, 1961. 34 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ imeni S. M. Kirov); 150 copies; price not given; (KL, 6-61 sup, 205)

FARZALIYEV, I.M., Cand Agr Sci--(diss) "Composition and nutritive properties of certain perennial, draught-resistant fodder <sup>herbs</sup> of the AzSSR. [Yerevan], 1958. 16 pp (Min of Agr USSR. Yerevan Zoo-Vet Inst), 150 copies (KL, 30-58,130)

-114-

38254 FARZALIYEV, M. M.

Infektsionnaya agalaktiya ovets v Azerbaydzhane. Trudy Azerbeydzh. Nauch.-issled. vet. opty. stantsii, t. III, 1949, s. 35-53. - Na azerbaydzh. i rus. yaz.

38255

FARZALIYEV, M. M.

Opredeleniye razmera fil'truyushchikhsya form mikroba infektsionnoy agalaktii. Trudy Azerbaydzh. Nauch.-issled. vet. optyt. stantsii, t. III, 1949, s. 54-55

38256 FARZALIYEV, M. M.

Puti proniknoveniya i vydeleniya vozбудитеley pasterelleza pri eksperimental'nom zarazhenii buyvolyat. Trudy Azerbaydzh. Nauch.-issled. vet. opyt. stantsii, T. III, 1949, s. 63-72. \* Na azerbaydzh. yaz. - Rezyume na rus. yaz.

FARZALIYEV, M. M.

FARZALIYEV, M. M., KHALIEPKOV, M. M., DAL'AT, N. M., and PANKOV, A. A. ( Professor, Deceased, Junior Scientific Collaborator Daghestan Scientific- Research Veterinary Station, Assistant Professor)

Pseudotuberculosis in rams with orchido-epididymitis manifestations.

Veterinariya vol. 38, no. 9, September 1961, pp. 40.

SKVORTSOV, E.V.; FARZAN, B.Kh.; CHILAN, A.Ya. (Kazan')

Solution of certain conjugation problems by reduction to a  
generalized Riemannian problem. Prikl.mat.i mekh. 27 no.2:  
'351-355 Mr-Ap '63. (MIRA 16:4)  
(Boundary value problems) (Integral equations)

L 29927-66 EWP(m)/EWT(1) WW  
ACC NR: AR6006197

SOURCE CODE: UR/0124/65/000/010/B020/B020

AUTHOR: Farzan, R. Kh.

TITLE: Shock wave functionals for gases with internal degrees of freedom

SOURCE: Ref. zh. Mekhanika, Abs. 10B140

REF SOURCE: Sb. Itog. Nauchn. konferentsiya Kazansk. un-ta za 1963 g. Sekts. matem., kibernet. i teoriya veroyatn., mekhan. Kazan', 1964, 127-128

TOPIC TAGS: shock wave, gas dynamics, molecular physics, applied mathematics

ABSTRACT: A method is described for determining functionals, included in the integrals of collision of kinetic equations, depending on the reciprocity character of molecules and the boundary surface. It is assumed that all the molecules have the same mass, and the molecular reciprocity potential has a spherical symmetry. V. P. Shidlovskiy

SUB CODE: 20, 12/ SUBM DATE: none

71

B

Card 1/1 (C)

L 53909-65 EWT(1)/EMP(m)/EPR/EWA(1)/ECS(k) Pd-1/Ps-4 MM  
ACCESSION NR: AP5012082 UR/0147/65/000/002/0026/0033

25  
B

AUTHOR: Farzan, R. Kh.

TITLE: Impact functionals in moment equations for gases with internal degrees of freedom

SOURCE: IVUZ. Aviatcionnaya tekhnika, no. 2, 1965, 26-33

TOPIC TAGS: rarefied gas aerodynamics, internal degree of freedom, differential moment equations, gas kinetics, impact functional, rarefied gas transformat

ABSTRACT: The author notes that the interaction of particles with each other and with the wall during the process of collision in the kinetic equations for a rarefied gas is characterized by impact transforms. For a gas with internal degrees of freedom, the transformant determines the probability of particle distribution according to velocity and internal energy after collision. In the present paper, it is assumed that: 1) the internal energy of the particles is discrete; 2) the interaction potential between particles is spherical; 3) the masses of the particles are identical (unit). The point is emphasized that, in the moment approach, a knowledge not of the transformant itself but of a finite number of its functionals is sufficient. In line with an earlier work by the same author, these functionals are referred to as "impact functionals" (R. Kh. Farzan. Ob udarnykh

Card 1/2

L 539C9-65  
ACCESSION NR: AP5012082

funktionalakh dlya gazov s vnutrennimi stepenyami svobody. "Igotovaya nauchnaya konferentsiya KGU za 1963", izd. KGU, 1964). The article traces the detailed development of the functionals from the internal transformant for the simplest model of a structural gas. The author demonstrates that even with this model it is possible to observe a number of general laws and certain structural peculiarities, as well as the requirements imposed on them by the law of conservation. A number of other, more complex, gas models are indicated, for which impact functionals are constructed in the same manner. It is found that if certain constraints, posited originally, are disregarded or relaxed, the complexity of the computations is not substantially increased. Orig. art. has: 29 formulas.

ASSOCIATION: None

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: ME

NO REF SOV: 005

OTHER: 000

Spec  
Card

2/2

42451-65 EWP(m)/EWT(1)/EWT(m)/FCS(k) Pd-1

ACCESSION NR: AT5009611

UR/3034/65/000/002/0215/0226

12

B+1

AUTHOR: Barantsev, R. G., Farzan, R. Kh.

TITLE: Integral moment equations for a gas with internal degrees of freedom

SOURCE: Leningrad. Universitet. Nauchno-issledovatel'skiy institut matematiki i mekhaniki. Aerodinamika razrezhennykh gazov, no. 2, 1965, 215-226

TOPIC TAGS: kinetic moment equation, internal freedom, rarefied gas equation, monatomic gas equation, internal transform, distribution function calculation, integral moment equation

ABSTRACT: The author previously proposed (R. G. Barantsev, Aerodinamika razrezhennykh gazov, no. 2, 1965, 62-78, LGU) a method for the solution of kinetic problems concerning monatomic rarefied gases by means of integral moment equations. The present paper extends the same method to a gas with internal (nonrotational) degrees of freedom. The gas consists of identical (unit-mass) atoms whose internal energy may take finite or denumerable values. It elucidates the structure of the internal transform and evaluates the standard integrals which are analogous to those discussed elsewhere (Ye. V. Alekseyeva, R. G. Barantsev, V. F. Butov, L. L. Zvorykin, Aerodinamika razrezhennykh gazov, no. 2, 1965, 79-97). Orig. art. has: 61 formulas.

Card 1/2

L 42451-65

ACCESSION NR: AT5009611

ASSOCIATION: None

SUBMITTED: 00/65

ENCL: 00

SUB CODE: ME

NO REF SOV: 005

OTHER: 000

Card 2/2 CC

L 42452-65 EWP(m)/EWT(1)/ENT(m)/FCS(z)/EWA(d)/EWA(1) Pd-1  
ACCESSION NR: AT5009612 UR/3034/65/000/002/0227/0238

13

B+1

AUTHOR: Farzan, R. Kh.

TITLE: Momentum differential equations for gases with internal degrees of freedom

SOURCE: Leningrad... Universitet. Nauchno-issledovatel'skiy institut matematiki i mekhaniki. Aerodinamika razrezhennykh gazov, no. 2, 1965, 227-238

TOPIC TAGS: kinetic moment equation, internal freedom, rarefied gas equation, monatomic gas equation, collision functional, infinite rarefied gas flow, distribution function approximation

ABSTRACT: A system of differential equations for the distribution moment functions up to the fourth order is presented for the case of a gas with internal (nonrotational) degrees of freedom. The model of the gas is the same as the one used by the author in an earlier article (R. G. Barantsev, R. Kh. Farzan, Aerodinamika razrezhennykh gazov, no. 2, 1965, 215-226, LGU), i.e., the gas is made up of identical atoms of different internal energy content; the energy  $E_{\alpha}$  is discrete and can change as a result of collisions; the index  $\alpha$  may take finite or denumerable values; the interaction potential is central. The results of studies by

Card 1/2

L 42452-65

ACCESSION NR: AT5009612

R. G. Barantsev and B. V. Filippov (PMTF, no. 2, 129-131, 1964) are extended to the above model and the system of equations is applied to an infinite flow. The resulting functionals describe fully the particle collisions in the moment approximation. The applicability of iterations and the necessary procedures are also shown. Orig. art. has: 40 formulas.

ASSOCIATION: None

SUBMITTED: 00/65

ENCL: 00

SUB CODE: ME, MA

NO REV SOV: 004

OTHER: 000

Card 2/2 CC

PARZTDINOV, M.M.

Structure of antiferromagnets. Usp. fiz. nauk 84 no. 4 611-649  
D '64 (MIRA 1831)

POKROVSKIY, K.V.; STEPANOVA, G.S.; FARZANE, H.G.

Method of plotting phase diagrams for gas condensate systems.  
Trudy Azerb. Ind. inst. no.19:148-158 '57. (MIRA 11:9)  
(Apsheron Peninsula--Condensate oil wells)  
(Phase rule and equilibrium)

FARZANE, N.G.

Method for an experimental study of the behavior of gas-condensate systems using PVT apparatus. Trudy Azerb. ind. inst. no.19:159-172 '57. (MIRA 11:9)  
(Apsheren Peninsula--Condensate oil wells)

POKROVSKIY, K.V.; FARZANE, N.G.; DANILOV, A.S.; RAZAMAT, M.S.

Determining condensate losses in layers during the exploitation of  
condensate gas wells without maintaining reservoir pressure. Izv.  
vys. ucheb. zav.; neft i gaz no.8:47-52 '58. (MIRA 11:10)

1. Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.  
(Apsheron Peninsula--Condensate oil wells)

POKROVSKIY, E.V.; FARZANI, N.G.; DANILOV, A.S.; RAZAMAT, M.S.

Experimental study of changes in condensate gas recovery and  
in the industrial gas factor during the exploitation of conden-  
sate pools without sustaining pressure. Izv.vys.ucheb.zav.;  
neft i gaz 1 no.11:71-76 '59. (MIRA 12:5)

1. Azerbaydzhanskiy industrial'nyy institut im. M.Azizbekova.  
(Condensate oil wells)

14(5)

AUTHORS:

Ibragimov, I. A., Farzane, N. G.

SCV/152-50-1-24/31

TITLE:

Automatic Control and Regulation of the Plant for the Redistillation of a Wide Gasoline Fraction (Avtomatičeskiy kontrol' i regulirovaniye ustavok vtorichnyy peregonki shirokoy benzинovoy fraktsii)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1959, №  
Nr 1, pp 97 - 103 (USSR)

ABSTRACT:

Present schemes of automatic control and regulation of plants for the redistillation of a wide gasoline fraction are based on the use of tools and controllers, by which the individual parameters are measured and controlled. The attempt is made here to determine the interrelations of the parameters to be controlled with the establishment of schemes of a coupled control of the plant parameters. The parameters to be controlled are: 1) consumption of raw material entering the plant; 2) temperature of the column upper part; 3) level of the column lower part; 4) temperature of the column lower part; 5) temperature of the second raw material supply;

Card 1/2

Automatic Control and Regulation of the Plant for the Redistillation of a Wide Gasoline Fraction SOV/152-59-1-24/31

6) vapor pressure at the condenser outlet; 7) temperature when the product is leaving the condenser; 8) water level in the water separator; 9) water level in the scrubber; 10) gasoline level in the water separator; 11) gasoline level in the scrubber. The parameters in 1),3),5),6),7),8), and 9) are controlled individually and the automatic controllers and connecting appliances suggested for the control are shown in a table. For the control of the parameters in 2),4),10) and 11) methods are suggested which are more closely described here. The application of these methods permits the quality and the economy of the control to be improved. This is brought about by timely impulse supplies to the controller and by the diminution of the harmful influence caused by delays in measuring and controlling. There are 3 figures, 2 tables and 2 Soviet references.

ASSOCIATION: Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova  
(Azerbaijan Industrial Institute imeni M. Azizbekov)

SUBMITTED: December 7, 1958  
Card 2/2

FARZANE, N.G.

Method for calculating the pressure of a monophase state of  
gas condensate systems. Izv.vys.ucheb.zav.; neft' i gaz  
3 no.6:71-76 '60. (MIRA 13:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.  
(Oil reservoir engineering)

FARZANE, N. G.

Cand Tech Sci - (diss) "Experimental study of the behavior of systems of condensed-gas deposits being worked with the computational method for the determination of pressure in the mono-phase state." Baku, 1961. 17 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaijan SSR, Azerbaijan Order of Labor Red Banner Inst of Petroleum and Chemistry imeni M. Azizbekov); 250 copies; free; (KL, 5-61 sup, 194)

ALIYEV, G.Kh.; IBRAGIMOV, I.A.; MAKHMUDOV, Yu.A.; FARZANE, N.G.

Using electronic computers in complete automation of air and gas  
lift in petroleum production. Izv. vys. ucheb. zav.; neft' i gaz  
5 no.6:97-102 '62. (MIRA 16:5)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova  
i Vychislitel'nyy tsentr AN Azerbaydzhanskoy SSR.  
(Electronic computers) (Automation) (Oil wells--Gas lift)

ALIYEV, H.G.; GURTS, M.A.; ILYAKOV, L.V.

Stabilizing the zero line in a chromatothermograph. Izv.vys.icheb.zav.;  
neft i gaz 7 no.4,85-87 '64. (MIRA 17:5)

1. Azerbaydzhanskiy institut nefti i khimii P.Azizbekova.

MIRZADZHANZADE, A.Kh.; PETRUSHEVSKIY, Ye.I.; DURMISH'YAM, A.G.; FARZANE, Ya.G.

Changes in the productivity factors of gas condensate wells produced  
to depletion. Izv.vys.ucheb.zav.; neft' i gaz 5 no.8:55-60 '62.  
(MIRA 17:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova i  
Neftepromyslovoye upravleniye "Karadagneft!".

MIRZADZHANZADE, A.Kh.; MELIK-ASLANOV, L.S.; MAGERRAMOV, N.Kh.; FARZANE,  
Ya.G.

Studying the displacement of condensates by natural gas.  
Azerb.neft.khoz. 41 no.3:22-24 Mr '62. (MIRA 15:8)  
(Condensate oil wells)

MAMEDOV, G.A.; FARZANE, Ya.G.

Water drive of gas (air) from nonuniformly layered porous rocks. Izv.vys.ucheb.zav.;neft' i gaz 7 no. 1;29-34 '64.  
(MIRA 17:7)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.

PARGA B, Yu.G.

Investigation of residual condensate-a corrosion with considera-  
tion of commute water. Izv. vys. ucheb. zav.; nait' i prib. t no.58  
17-51 '63 (MIR 1727)

1. Azerbaydzhanskiy institut nauchno-khimicheskogo N. Azizbekova.